


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.56	0.022
2. Dielectric	ND-PTFE	1.60	0.063
3. Outer Conductor	Bonded Aluminum Foil+Silver Plated Copper	2.00	0.079
4. Jacket	BLUE FEP	2.60	0.102

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	76%
Dielectric Constant	1.73
Shielding Effectiveness(dB)	>90
Time Delay(nS/m)	4.38
Cutoff frequency(GHz)	67
Voltage Withstand (V.DC)	500
Peak Power(W)	600

Mechanical Characteristics

Min.Bending Radius Static (mm)	13	0.512
Cable Minimum Dynamic Bend Radius (mm)	26	1.024
Weight(Kg/Km)	18	

Environmental Characteristics

Operating Temperature Range($^{\circ}$ C)	-55~+125
--	----------

Attenuation & Average Power @ 20 $^{\circ}$ C and Sea Level

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100m	dB/100Ft	
0.05	13.08	4.0	465
0.1	18.58	5.7	327
0.3	32.54	9.9	187
0.5	42.32	12.9	144
1.0	60.67	18.5	100
2.0	87.44	26.7	70
3.0	108.63	33.1	56
4.0	126.94	38.7	48
5.0	143.40	43.7	42
6.0	158.55	48.3	38
8.0	186.08	56.7	33
10.0	211.00	64.3	29
12.0	234.07	83.4	26
13.5	250.43	76.3	24
15.0	266.13	98.9	23
18.0	295.92	106.1	21
26.5	372.10	134.4	16